Contents of Volume 59

Number 1 (Part I), January 2001

The Insulin Resistance Epidemic in India: Fetal Origins, Later Lifestyle, or Both? 1
Rationale for Antioxidant Therapy in Premature Infants to Prevent Bronchopulmonary Dysplasia 10
Does Dieting During Lactation Put Infant Growth at Risk? 18
Plant Sterols and Their Derivatives: The Current Spread of Results 21
Fruits and Vegetables and the Risk of Stroke 24
Calendar 28
Guidelines for Authors 29

Number 1 (Part II), January 2001

Introduction S1
Consumer Perceptions of Energy S2
Psychology and Cultural Aspects of Energy S5
Physical Energy: Fuel Metabolism S13
Fatigue of Anemia S17
The Impact of the Supply of Glucose to the Brain on Mood and Memory S20
Diet, Neurochemicals, and Mental Energy S22
Dieting and Weight Loss: The Energy Perspective S25
Sleep and Circadian Rhythms: Basic and Clinical Findings S27
Stress, Fatigue, and Behavioral Energy S30
Energy for a New Millennium—Regulatory Perspectives S33
Energy for a New Millennium S35
Energy Claims in the 21st Century S36
Summary S39

Number 2, February 2001

The New Childhood Growth Charts 31
Meat Consumption and Colorectal Cancer: A Review of Epidemiologic Evidence 37
Resistance to Weight Gain During Overfeeding: A NEAT Explanation 48
A Diet Containing Food Rich in Soluble and Insoluble Fiber Improves Glycemic Control and Reduces Hyperlipidemia among Patients with Type 2 Diabetes Mellitus 52
The Uncoupling Proteins UCP2 and UCP3 in Skeletal Muscle 56
Remember When Mom Wanted You Home for Dinner? 57

Number 3 (Part I), March 2001

Mitochondrial Gene Expression in Diabetes Mellitus: Effect of Nutrition 61
Recommending Calcium to Reduce Lead Toxicity in Children: A Critical Review 71
Identifying Populations at Risk of Zinc Deficiency: The Use of Supplementation Trials 80
Dietary Fiber and Colorectal Cancer: What Is Appropriate Advice? 84
To Feed or Not To Feed: Tube Feeding in Patients with Advanced Dementia 86

Number 3 (Part II), March 2001

Acknowledgement S1
Foreword S2
Introduction S4

Contents of Volume 59

Number 1 (Part I), January 2001

The Insulin Resistance Epidemic in India: Fetal Origins, Later Lifestyle, or Both? 1
Rationale for Antioxidant Therapy in Premature Infants to Prevent Bronchopulmonary Dysplasia 10
Does Dieting During Lactation Put Infant Growth at Risk? 18
Plant Sterols and Their Derivatives: The Current Spread of Results 21
Fruits and Vegetables and the Risk of Stroke 24
Calendar 28
Guidelines for Authors 29

Number 1 (Part II), January 2001

Introduction S1
Consumer Perceptions of Energy S2
Psychology and Cultural Aspects of Energy S5
Physical Energy: Fuel Metabolism S13
Fatigue of Anemia S17
The Impact of the Supply of Glucose to the Brain on Mood and Memory S20
Diet, Neurochemicals, and Mental Energy S22
Dieting and Weight Loss: The Energy Perspective S25
Sleep and Circadian Rhythms: Basic and Clinical Findings S27
Stress, Fatigue, and Behavioral Energy S30
Energy for a New Millennium—Regulatory Perspectives S33
Energy for a New Millennium S35
Energy Claims in the 21st Century S36
Summary S39

Number 2, February 2001

The New Childhood Growth Charts 31
Meat Consumption and Colorectal Cancer: A Review of Epidemiologic Evidence 37
Resistance to Weight Gain During Overfeeding: A NEAT Explanation 48
A Diet Containing Food Rich in Soluble and Insoluble Fiber Improves Glycemic Control and Reduces Hyperlipidemia among Patients with Type 2 Diabetes Mellitus 52
The Uncoupling Proteins UCP2 and UCP3 in Skeletal Muscle 56
Remember When Mom Wanted You Home for Dinner? 57

Number 3 (Part I), March 2001

Mitochondrial Gene Expression in Diabetes Mellitus: Effect of Nutrition 61
Recommending Calcium to Reduce Lead Toxicity in Children: A Critical Review 71
Identifying Populations at Risk of Zinc Deficiency: The Use of Supplementation Trials 80
Dietary Fiber and Colorectal Cancer: What Is Appropriate Advice? 84
To Feed or Not To Feed: Tube Feeding in Patients with Advanced Dementia 86

Number 3 (Part II), March 2001

Acknowledgement S1
Foreword S2
Introduction S4

Remarks from David Satcher, M.D., Ph.D., Assistant Secretary for Health and Surgeon General S7
Remarks from Dan Glickman, Secretary of Agriculture S10
How and Why Do Individuals Make Food and Physical Activity Choices? S11
Environmental and Societal Factors Affect Food Choice and Physical Activity: Rationale, Influences, and Leverage Points S21
What Lessons Have Been Learned from Other Attempts to Guide Social Change? S40
Discussion S57
Summary S63
Participants S66

Number 4, April 2001

The Effects of Ginseng, Ephedrine, and Caffeine on Cognitive Performance, Mood, and Energy 91
The Effects of Nuts on Coronary Heart Disease Risk 103
Pancreatic Cancer and Sugar Diabetes 112
The Enzymatic Cleavage of ß-Carotene: End of a Controversy 116
Is Breast Not Best? Feeding Babies Born to HIV-Positive Mothers: Bringing Balance to a Complex Issue 119
International Conference on Forging Effective Strategies to Combat Iron Deficiency 128

Number 5, May 2001

Dietary Fiber and Weight Regulation 129
Iron and Colorectal Cancer Risk: Human Studies 140
Whole Grain Intake and Risk of Ischemic Stroke in Women 149
High Calcium Intake Blunts Pregnancy-induced Increases in Maternal Blood Lead 152
Eat a Variety of Healthful Foods: Old Advice with New Support 156
Calendar 159

Number 6, June 2001

The Science and Complexity of Bitter Taste 163
Nutrition Transition in Latin America: The Case of Chile 170
Insulin Resistance Associated with Leptin Deficiency in Mice: A Possible Model for Noninsulin-dependent Diabetes Mellitus 177
Are Eating Disorders More Prevalent in Females with Type 1 Diabetes Mellitus When the Impact of Insulin Omission Is Considered? 179
Listeria monocytogenes: A Continuing Challenge 183

Number 7, July 2001

Nutrition and Physical Activity Interventions to Reduce Cardiovascular Disease Risk in Health Care Settings: A Quantitative Review with a Focus on Women 197
Fetal Malformations and Folate Metabolism: Review of Recent Evidence 215
Family and Child-care Provider Influences on Preschool Children's Fruit, Juice, and Vegetable Consumption 224
Efficacy of Garlic Supplementation in Lowering Serum Cholesterol Levels 236
Does Lowering Plasma Homocysteine Reduce Vascular Disease Risk? 242

Number 8 (Part I), August 2001

Dietary Energy Density and Weight Regulation 247
Functional Genomics and Proteomics Applied to the Study of Nutritional Metabolism 259
Breastfeeding-related Onset, Flare, and Relapse of Rheumatoid Arthritis 264
Iodine in Human Milk: Perspectives for Infant Health 269

Number 8 (Part II), August 2001

Foreword S1
Contribution of Joaquín Cravioto to the Research on Malnutrition and Mental Development S2
Ontogeny of Brain and Cognition: Relevance to Nutrition Research S7
Discussion S11
Invited Comment S12
The Role of Folate in the Prevention of Neural Tube Defects: Human and Animal Studies S13
Discussion S21
Invited Comment S21
Nutrition and Mental Development S24
Discussion S32
Lipids and Neurodevelopment S34
Discussion S46
Invited Comment S47
Macronutrients and Neurotransmitter Formation During Brain Development S49
Discussion S58
Invited Comment S58
Monoamines and Protein Intake: Are Control Mechanisms Designed to Monitor a Threshold Intake or a Set Point? .. S60
Discussion S66
Invited Comment S67
B Vitamins, Homocysteine, and Neurocognitive Function S69
Discussion S73
Antioxidants and Cognitive Function S75
Discussion S80
Invited Comment S81
Deficiency and Excess of Iron in Brain Function and Dysfunction S83
Discussion S85
Invited Comment S86
Successful Aging and Nutrition S88
Invited Comment S91
Aging Successfully: A Genetic Perspective S93
Discussion S101

Number 9, September 2001

Copper Homeostasis: The Role of Cellular Transporters 281
Melatonin in Plants 286
DASH Without the Dash (of Salt) Can Lower Blood Pressure 291
Alcohol and Mortality: If You Drink, Do Not Forget Fruits and Vegetables 293
The American Heart Association Dietary Guidelines for 2000: A Summary Report 298
Regarding Dietary Calcium to Reduce Lead Toxicity 307
Regarding the Conversion of β-Carotene to Vitamin A 309
Regarding Iron and Colorectal Cancer Risk 310
Calendar 311

Number 10, October 2001

Maternal Nutrition and Perinatal Survival 315
The Bone Remodeling Transient: Interpreting Interventions Involving Bone-related Nutrients 327
Effects of Diets Containing Fish Oil and Vitamin E on Rheumatoid Arthritis 335
How Well You Absorb Calcium Is Important for Limiting Hip Fracture Risk 338
How Prevalent Is Thiamin Deficiency in Heart Failure Patients? 342
Iron and Colorectal Cancer 344

Number 11, November 2001

Physical Activity and Cancer: Lessons Learned from Nutritional Epidemiology 349
Micronutrients and Child Health: Studies in International Nutrition and HIV Infection 358
Diet Image: A New Perspective on the Food-Frequency Questionnaire 370
Preventive Role of Dietary Fiber in Gastric Cardia Cancers 372
Meat Consumption and Colorectal Cancer: Critique of Norat and Riboli's Review 375

Number 12, December 2001

Trends in Diet, Nutritional Status, and Diet-related Noncommunicable Diseases in China and India: The Economic Costs of the Nutrition Transition 379
Retinoic Acid Homeostasis: Retinoic Acid Regulates Liver Retinol Esterification As Well As Its Own Catabolic Oxidation in Liver 391
Vegetables, Fruits, and Colorectal Cancer Risk: What Should We Believe? 395